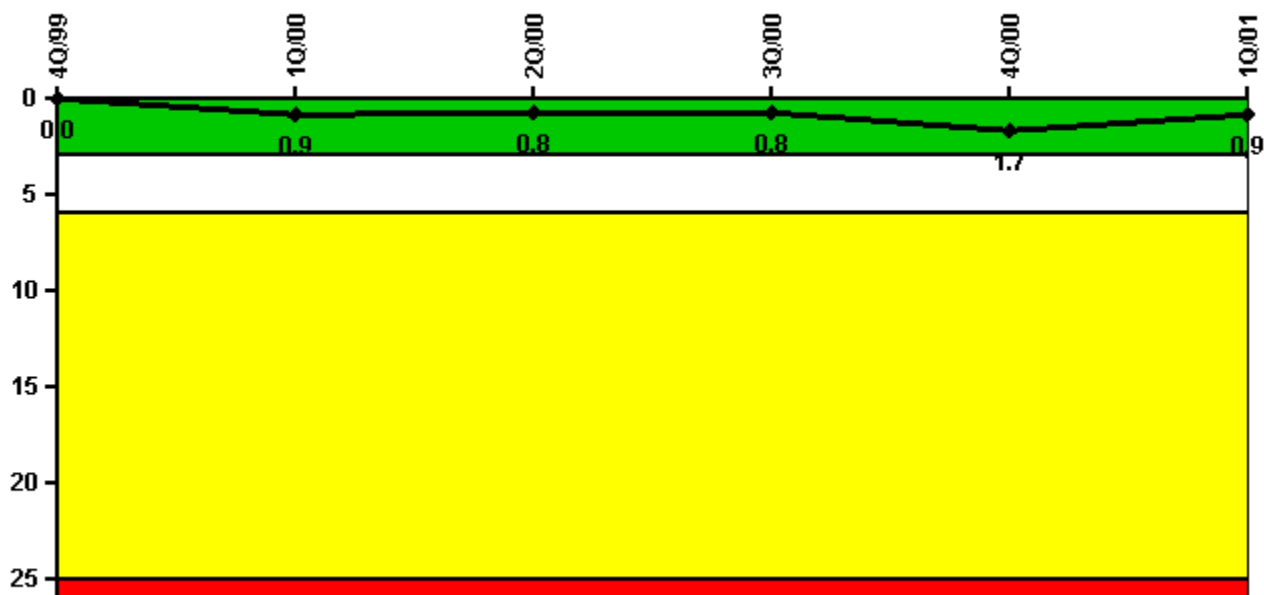


## Sequoyah 2

## 1Q/2001 Performance Indicators

Licensee's General Comments: none

## Unplanned Scrams per 7000 Critical Hrs



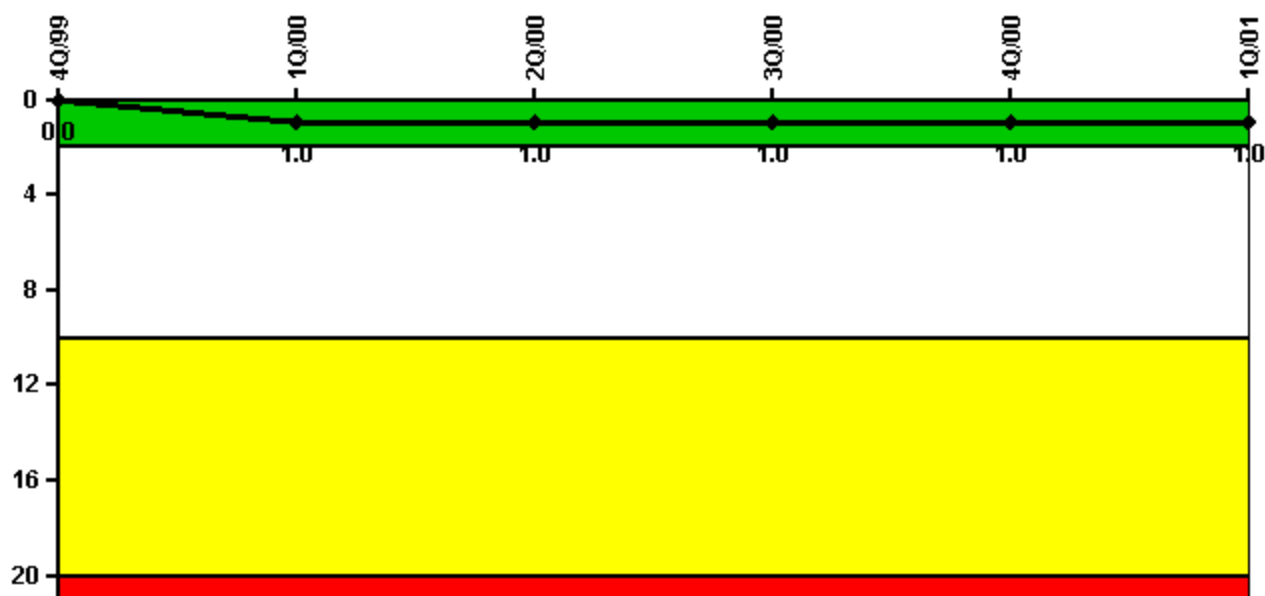
Thresholds: White &gt; 3.0 Yellow &gt; 6.0 Red &gt; 25.0

## Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	1.0	0	0	1.0	0
Critical hours	2209.0	2142.8	2183.0	2208.0	1656.2	2160.0
Indicator value	0	0.9	0.8	0.8	1.7	0.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



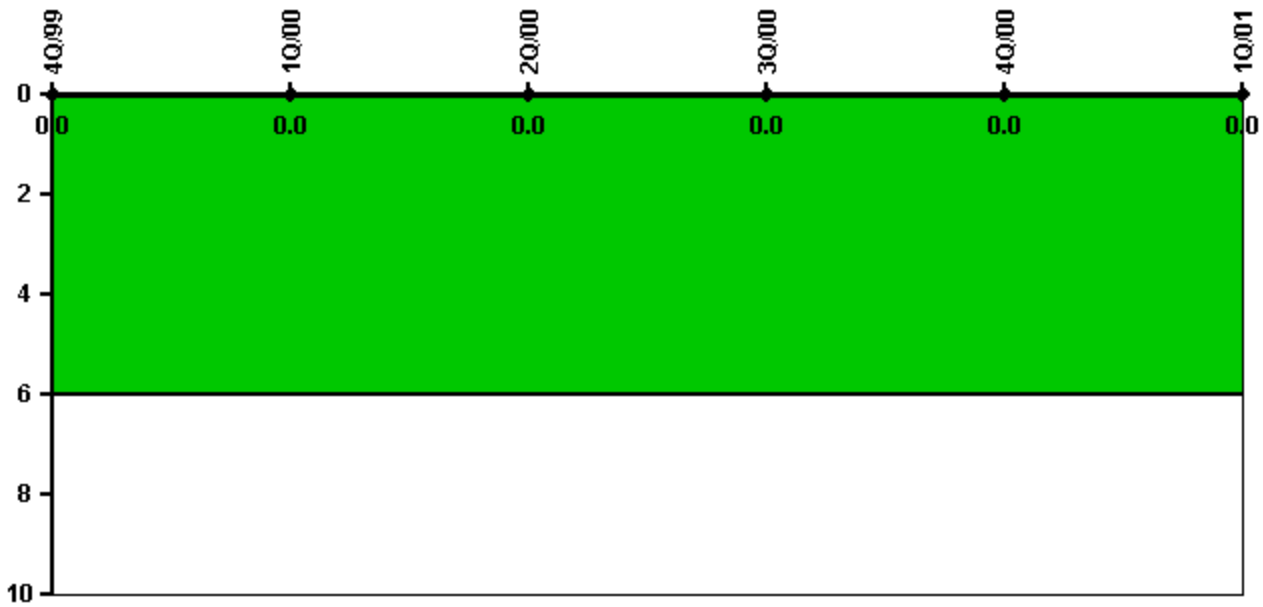
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	1.0	0	0	0	0
Indicator value	0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



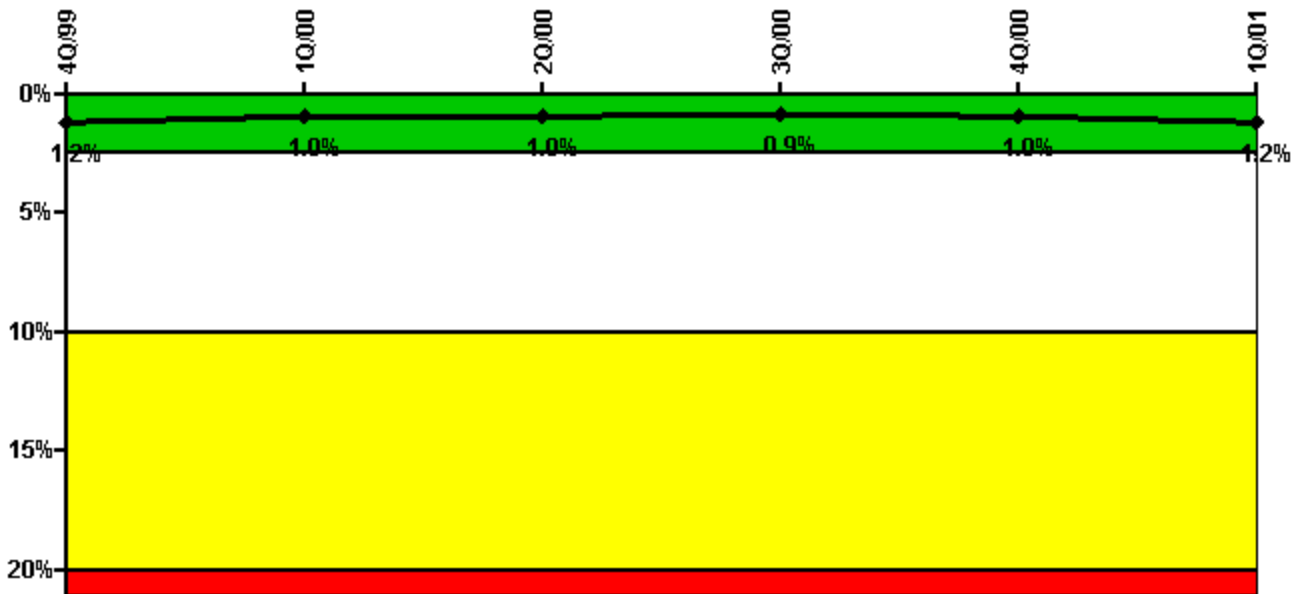
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	0	0
Critical hours	2209.0	2142.8	2183.0	2208.0	1656.2	2160.0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG



**Thresholds:** White > 2.5% Yellow > 10.0% Red > 20.0%

### Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
<b>Train 1</b>						
Planned unavailable hours	0.50	39.95	1.65	9.47	17.92	87.97
Unplanned unavailable hours	0	0	0	0	3.77	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>						
Planned unavailable hours	1.60	2.73	134.92	2.20	6.15	57.22
Unplanned unavailable hours	0	0	0	0	14.53	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Train 3</b>						
Planned unavailable hours	0	38.47	1.90	2.78	13.10	131.72
Unplanned unavailable hours	4.90	0	0	0	24.53	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Train 4</b>						
Planned unavailable hours	2.72	2.17	5.43	4.52	10.50	157.67
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	<b>1.2%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>0.9%</b>	<b>1.0%</b>	<b>1.2%</b>

Licensee Comments:

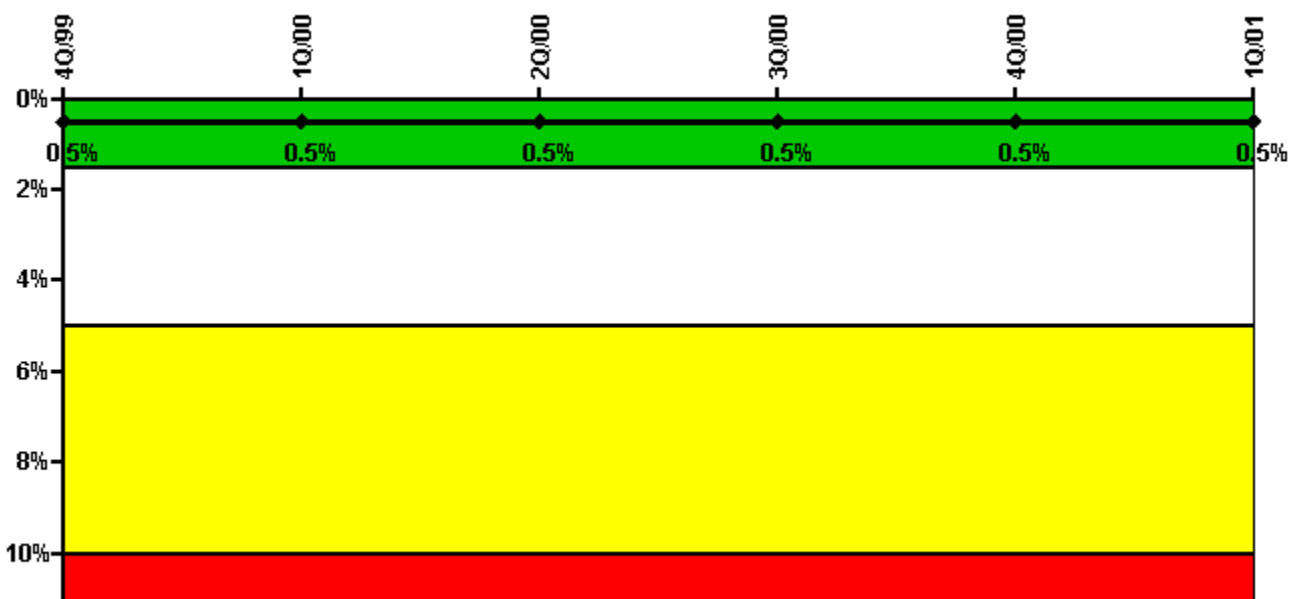
1Q/01: JAN01 train 1 unplanned hrs were changed to planned hrs based on review performed for PER 01-2932-000

4Q/00: DEC00 unplanned hrs for all trains were changed to planned (with the exception of 4.617 on train 3) following review performed for PER 01-2932-000

2Q/00: APR00 Train 2 unplanned hrs were changed to planned hrs based on review performed for PER-01-2932-000

4Q/99: Nov99 Train 4 unplanned hrs were changed to planned hrs based on review for PER 01-2932-000

### Safety System Unavailability, High Pressure Injection System (HPSI)



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
<b>Train 1</b>						
Planned unavailable hours	7.20	7.10	5.10	10.40	2.30	10.70
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1748.40	2160.00
<b>Train 2</b>						
Planned unavailable hours	4.20	9.20	5.60	3.10	19.70	3.90
Unplanned unavailable hours	0	0	0	0	9.90	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1748.40	2160.00
<b>Train 3</b>						
Planned unavailable hours	1.90	20.40	5.20	11.00	5.40	7.30

Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1734.10	2160.00
<b>Train 4</b>						
Planned unavailable hours	7.00	10.80	7.40	15.80	1.70	4.90
Unplanned unavailable hours	0	2.60	0	0	9.90	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1734.10	2160.00
<b>Indicator value</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>	<b>0.5%</b>

## Licensee Comments:

1Q/01: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)Hours were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)DEC00 hours were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)Hours were revised to add SSPS unavailability which was required by FAQ #290.

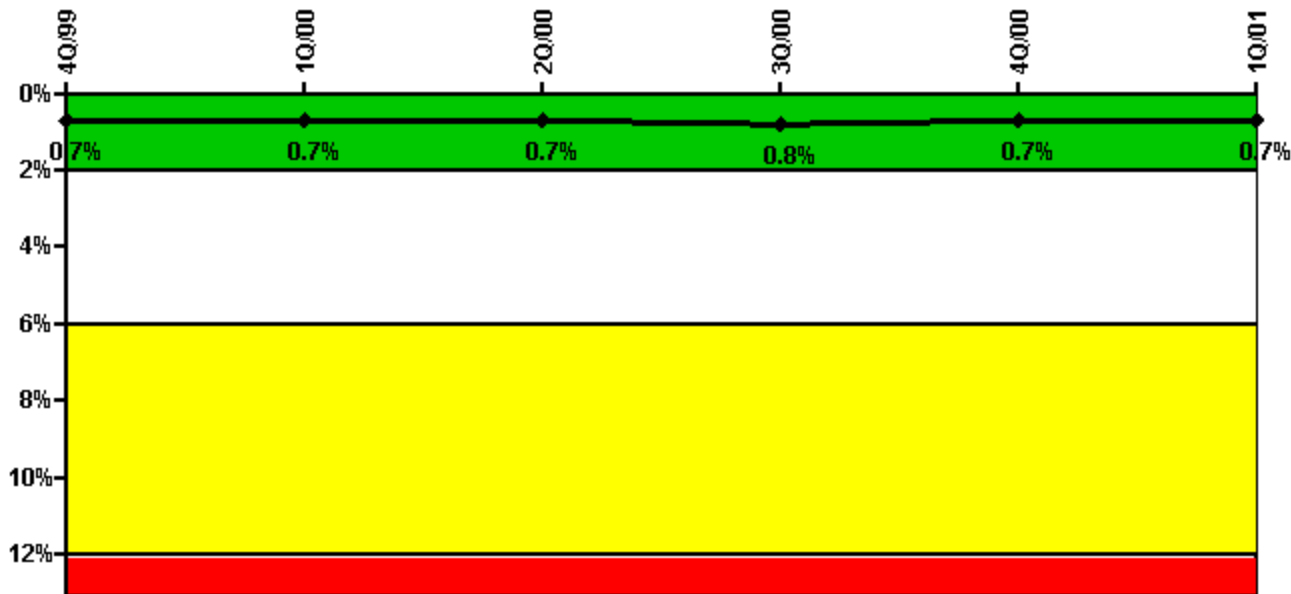
3Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)Hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

1Q/00: Changes were made to add SSPS unavailability which was required by FAQ #290.

## Safety System Unavailability, Heat Removal System (AFW)



**Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%**

### Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
<b>Train 1</b>						
Planned unavailable hours	6.10	12.48	12.15	15.38	12.70	2.80
Unplanned unavailable hours	0	15.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1734.10	2160.00
<b>Train 2</b>						
Planned unavailable hours	4.80	10.72	12.96	19.11	5.51	4.61
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1748.40	2160.00
<b>Train 3</b>						
Planned unavailable hours	18.20	14.60	9.63	2.58	0.77	13.70
Unplanned unavailable hours	0	0	0	0	6.80	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1710.10	2160.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.7%</b>

### Licensee Comments:

1Q/01: JAN01 train 2, FEB01 train 1 and MAR01 train 2 hours were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: 1)Fault exposure hours from a previous design deficiency were not reported. Oct00 Train 2 revised to include testing unavailability. 2) Hours for DEC00 train 1 were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Fault exposure hours from a previous design deficiency were not reported. Oct00 Train 2 revised to include testing unavailability.

3Q/00: 1)Jul00 Train 2 and Train 3 revised to include testing unavailability. 2)Hours for JUL00 train 2, AUG00 train 1, and SEP00 train 1 and train 2 were revised to add SSPS unavailability which was required by FAQ #290.

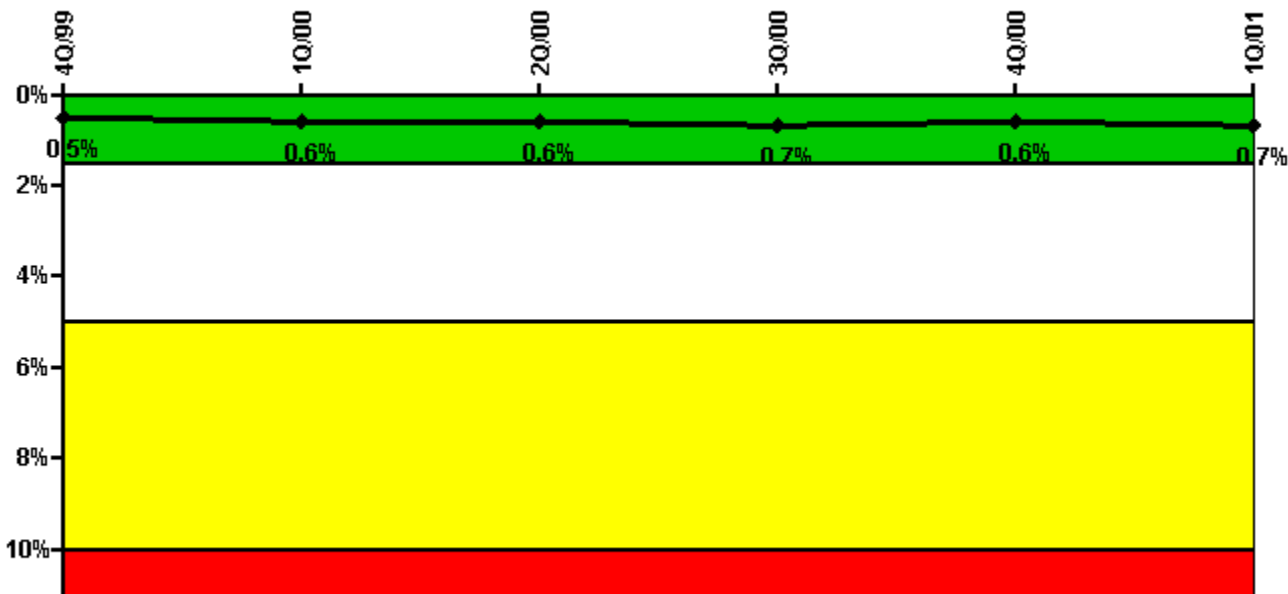
3Q/00: Jul00 Train 2 and Train 3 revised to include testing unavailability.

2Q/00: 1)Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability. 2)MAY00 train 1 and train 2 and JUN00 train 1 hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Apr00 Train 2 and Train 3 revised to include testing unavailability. May00 Train 1 revised to include testing unavailability.

1Q/00: Hours were revised for JAN00 train 1, FEB00 train 2, and MAR00 train 1 and train 2 to add SSPS unavailability which was required by FAQ #290.

### Safety System Unavailability, Residual Heat Removal System



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

### Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
<b>Train 1</b>						
Planned unavailable hours	2.20	24.50	10.20	15.30	11.80	20.50
Unplanned unavailable hours	0	0	0	0	0	3.20
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2131.70	2160.00
<b>Train 2</b>						
Planned unavailable hours	5.30	9.80	6.20	27.10	17.60	3.20
Unplanned unavailable hours	0	0	0	0	9.90	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0



Required hours	2209.00	2184.00	2183.00	2208.00	2131.70	2160.00
Indicator value	0.5%	0.6%	0.6%	0.7%	0.6%	0.7%

Licensee Comments:

1Q/01: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)Hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/01: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

4Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. Also, 9.9 unplanned unavailable hours previously reported on Train 1 for October has been moved to Train 2 as the result of a previous data entry error. 2)Hours for DEC00 were revised to add SSPS unavailability which was required by FAQ #290.

4Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. Also, 9.9 unplanned unavailable hours previously reported on Train 1 for October has been moved to Train 2 as the result of a previous data entry error.

3Q/00: Testing and support system unavailability hours added with 2Q/01 report. Color unaffected.

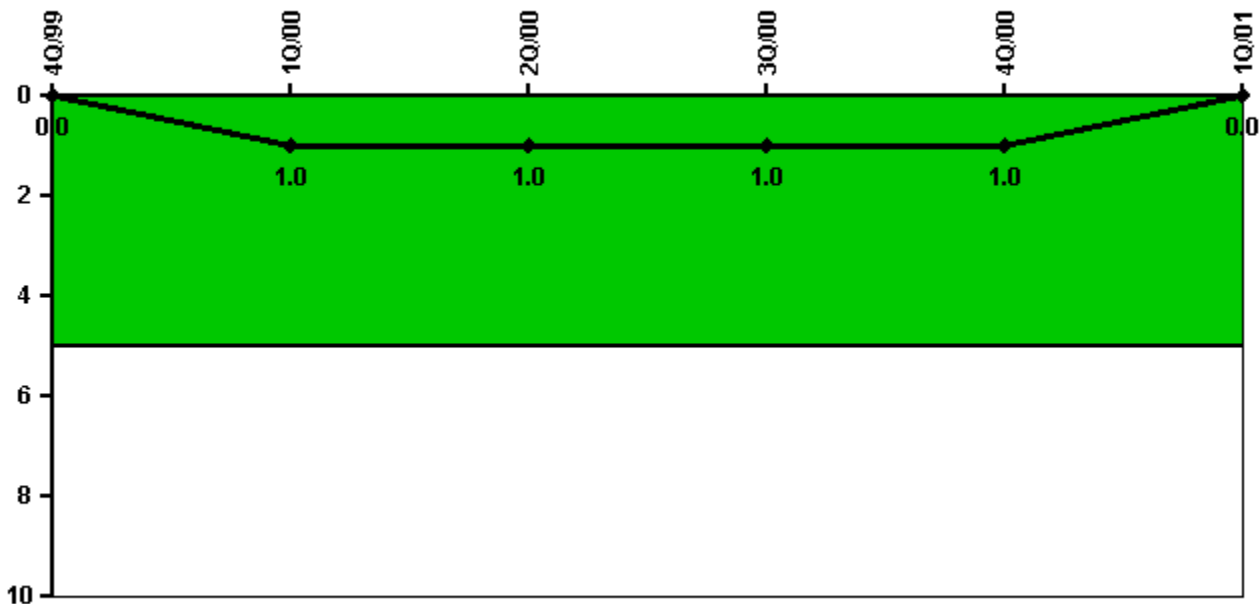
3Q/00: 1)Testing and support system unavailability hours added with 2Q/01 report. Color unaffected. 2)Hours were revised to add SSPS unavailability which was required by FAQ #290.

2Q/00: Testing hours added with 2Q/01 report. Color unaffected.

2Q/00: 1)Testing hours added with 2Q/01 report. Color unaffected. 2)MAY00 and JUN00 hours were revised to add SSPS unavailability which was required by FAQ #290.

1Q/00: Hours were revised to add SSPS unavailability which was required by FAQ #290.

### Safety System Functional Failures (PWR)



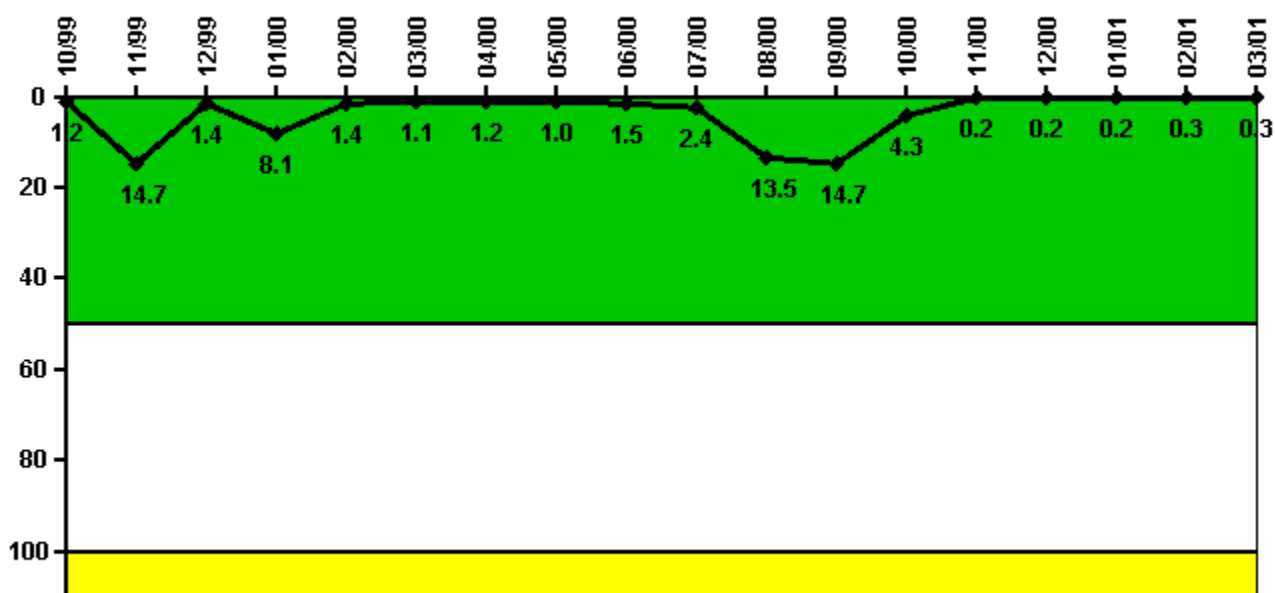
Thresholds: White > 5.0

## Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Safety System Functional Failures	0	1	0	0	0	0
Indicator value	0	1	1	1	1	0

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

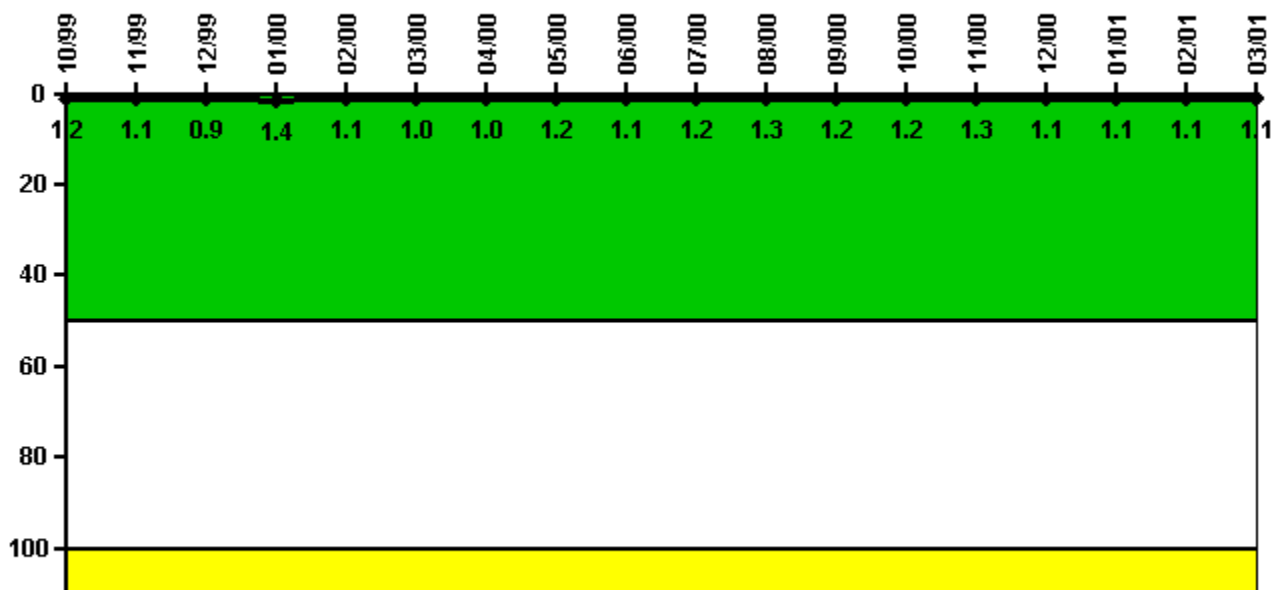
Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.004130	0.051400	0.004990	0.028400	0.004800	0.003870	0.004170	0.003570	0.005160	0.008430	0.047300	0.051400
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	1.2	14.7	1.4	8.1	1.4	1.1	1.2	1.0	1.5	2.4	13.5	14.7

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.010800	0.000613	0.000584	0.000590	0.000789	0.000635
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	4.3	0.2	0.2	0.2	0.3	0.3

Licensee Comments: none

## Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

### Notes

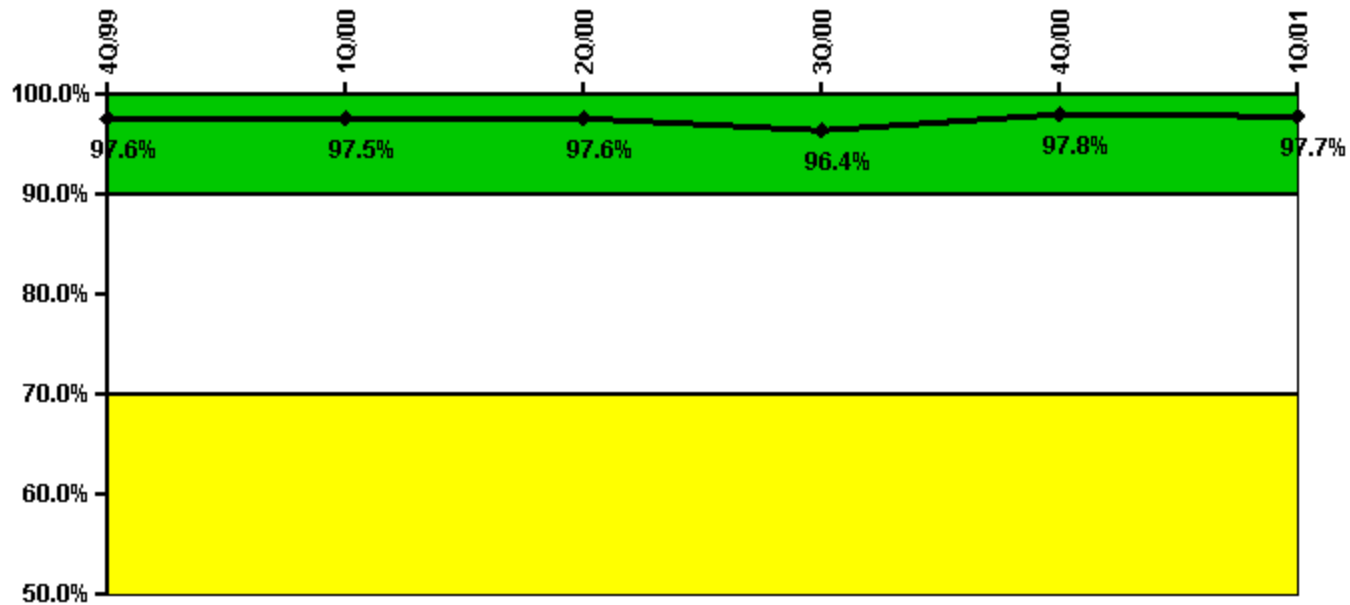
Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.120	0.110	0.090	0.140	0.110	0.100	0.100	0.120	0.110	0.120	0.130	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.2	1.1	0.9	1.4	1.1	1.0	1.0	1.2	1.1	1.2	1.3	1.2

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.120	0.130	0.110	0.110	0.110	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.2	1.3	1.1	1.1	1.1	1.1

Licensee Comments: none

### Drill/Exercise Performance



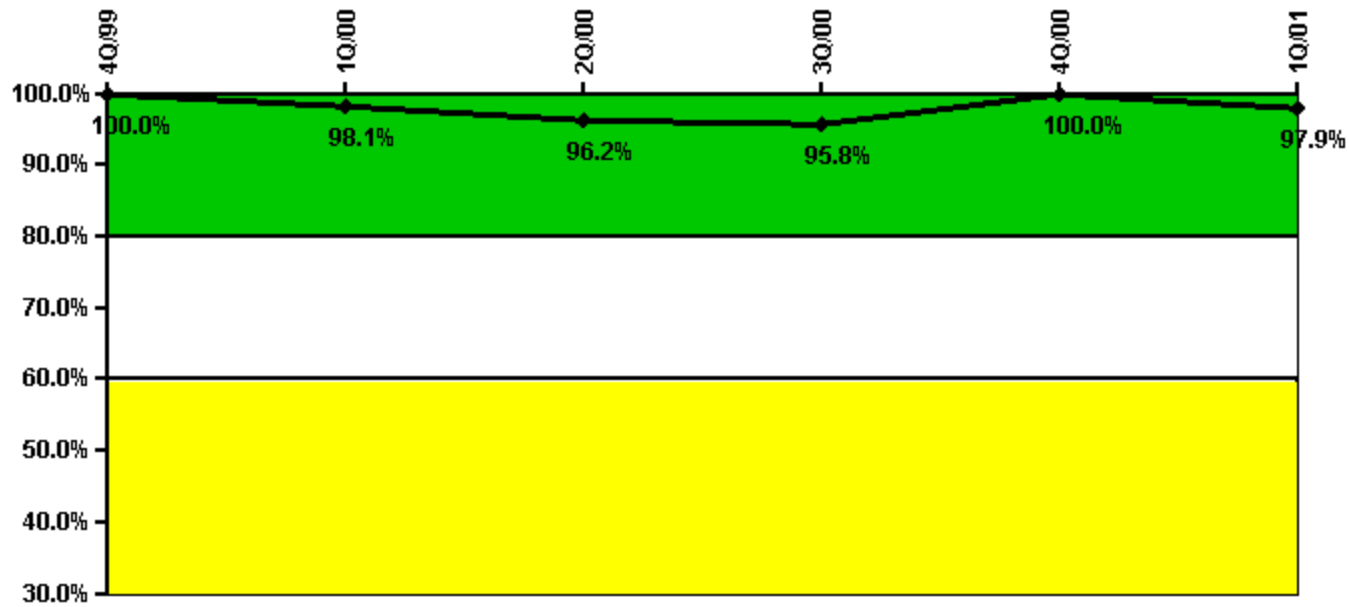
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	34.0	0	8.0	23.0	38.0	0
Total opportunities	34.0	0	8.0	25.0	38.0	0
Indicator value	97.6%	97.5%	97.6%	96.4%	97.8%	97.7%

Licensee Comments: none

### ERO Drill Participation



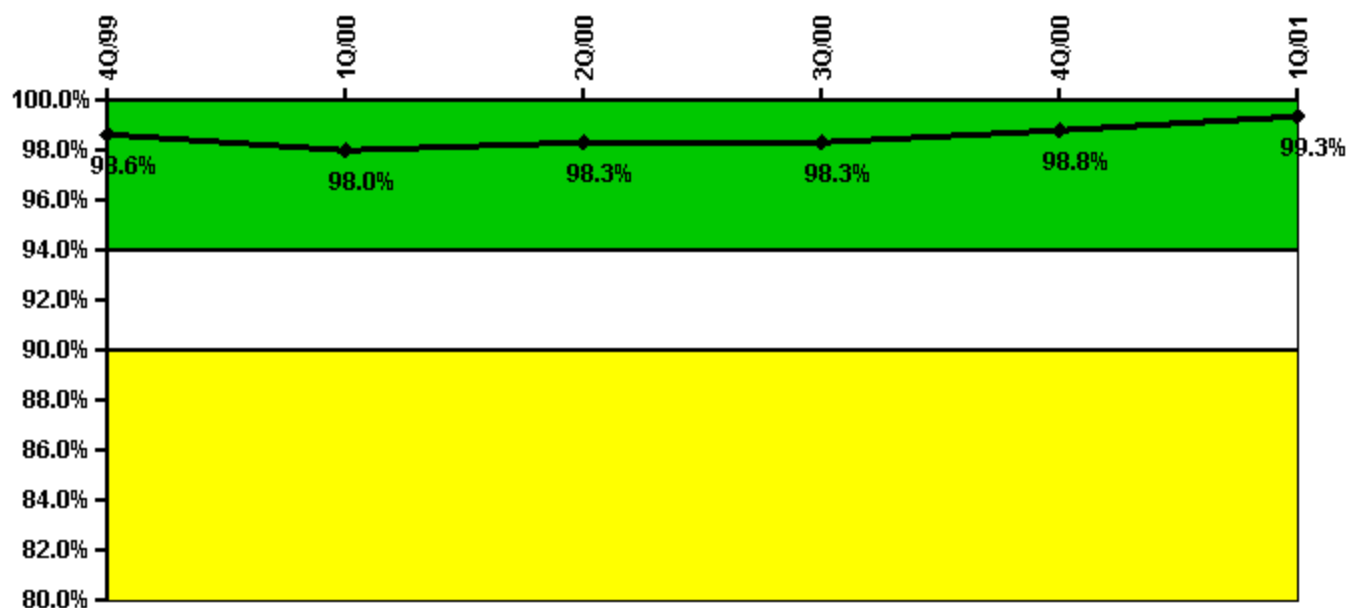
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	54.0	52.0	50.0	46.0	47.0	46.0
Total Key personnel	54.0	53.0	52.0	48.0	47.0	47.0
Indicator value	100.0%	98.1%	96.2%	95.8%	100.0%	97.9%

Licensee Comments: none

### Alert & Notification System



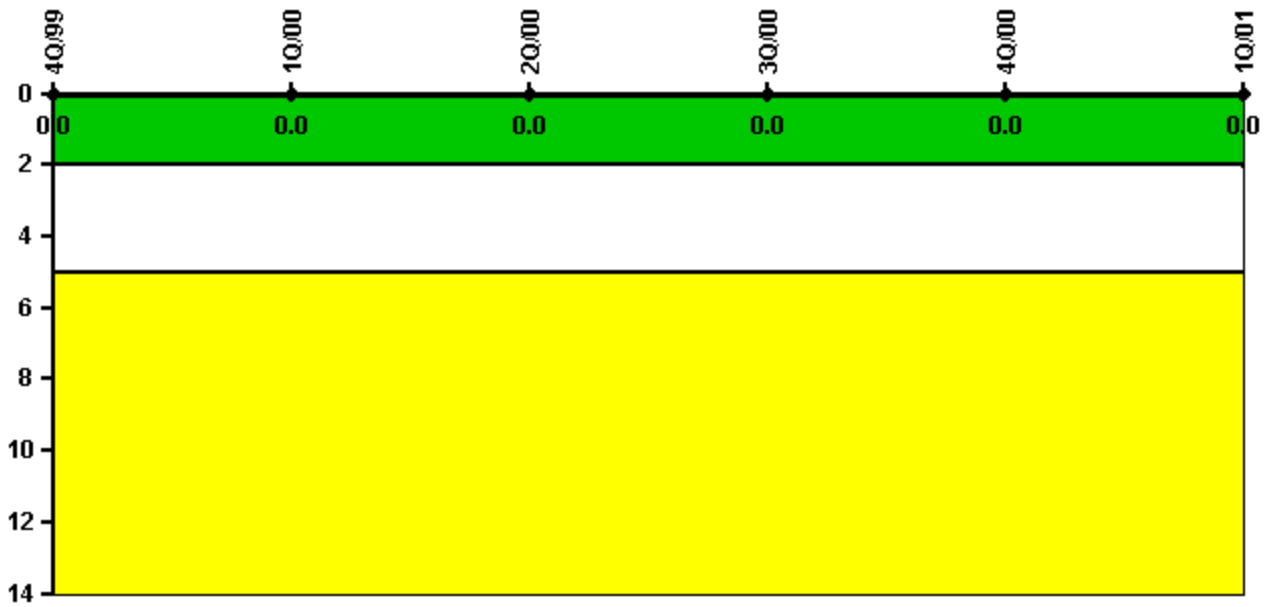
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	741	945	856	963	863	749
Total sirens-tests	756	972	864	972	864	756
Indicator value	98.6%	98.0%	98.3%	98.3%	98.8%	99.3%

Licensee Comments: none

### Occupational Exposure Control Effectiveness

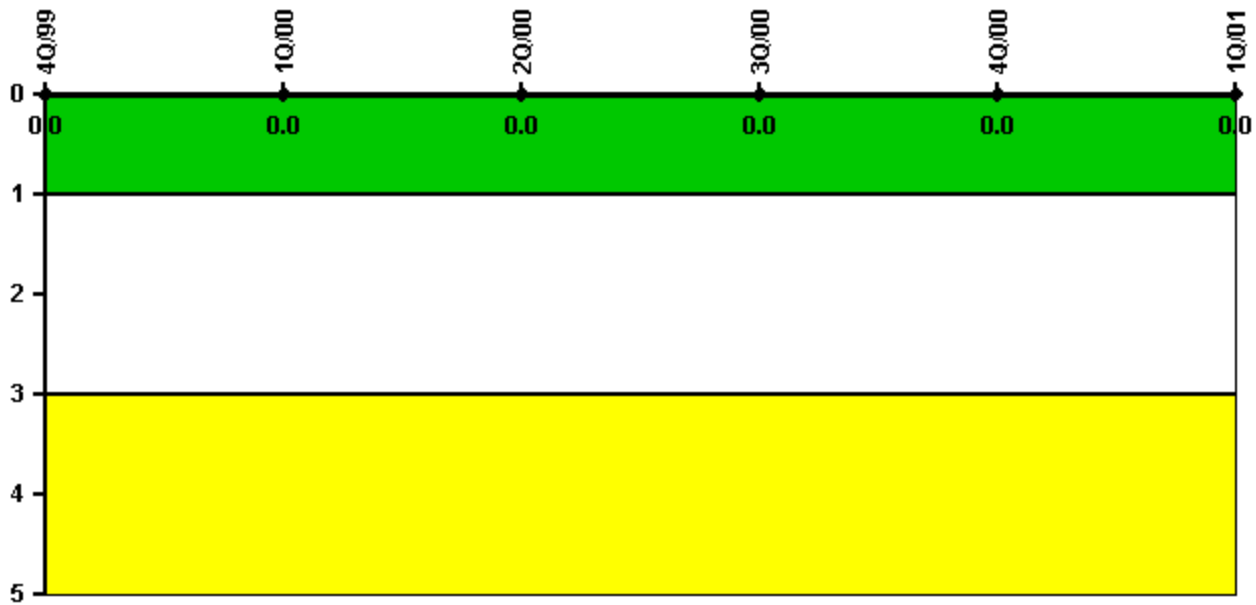


Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
High radiation area occurrences	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

**RETS/ODCM Radiological Effluent**

Thresholds: White > 1.0 Yellow > 3.0

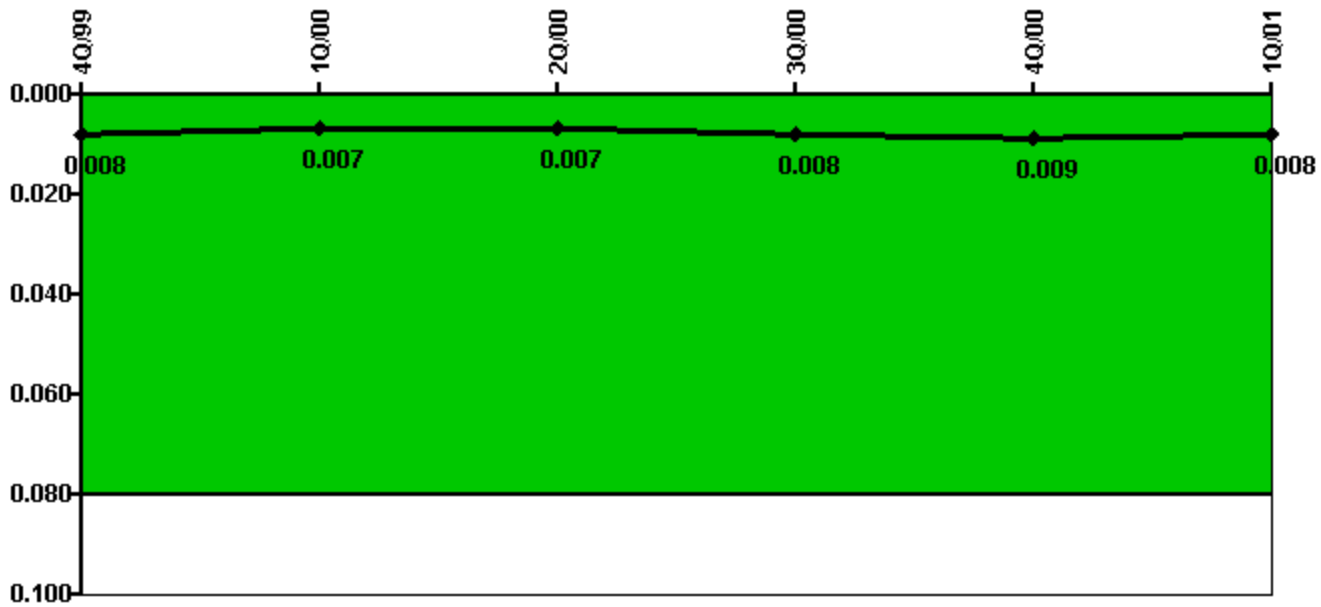
**Notes**

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
RETS/ODCM occurrences	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none



### Protected Area Security Performance Index



Thresholds: White > 0.080

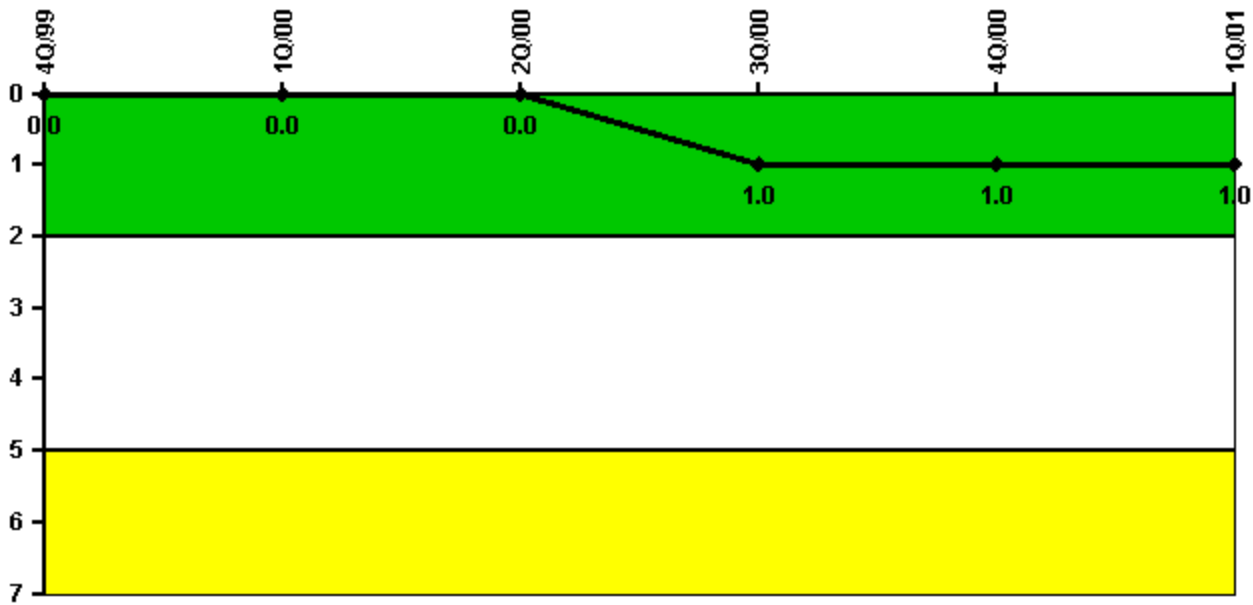
#### Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	87.17	12.40	166.40	117.21	135.00	73.67
CCTV compensatory hours	0	72.9	12.9	1.3	3.2	0.2
IDS normalization factor	3.65	3.65	3.65	3.65	3.65	3.65
CCTV normalization factor	2.7	2.7	2.7	2.7	2.7	2.7
Index Value	0.008	0.007	0.007	0.008	0.009	0.008

Licensee Comments:

1Q/00: Feb 2000 data was revised as documented in PER00-010268-000.

### Personnel Screening Program



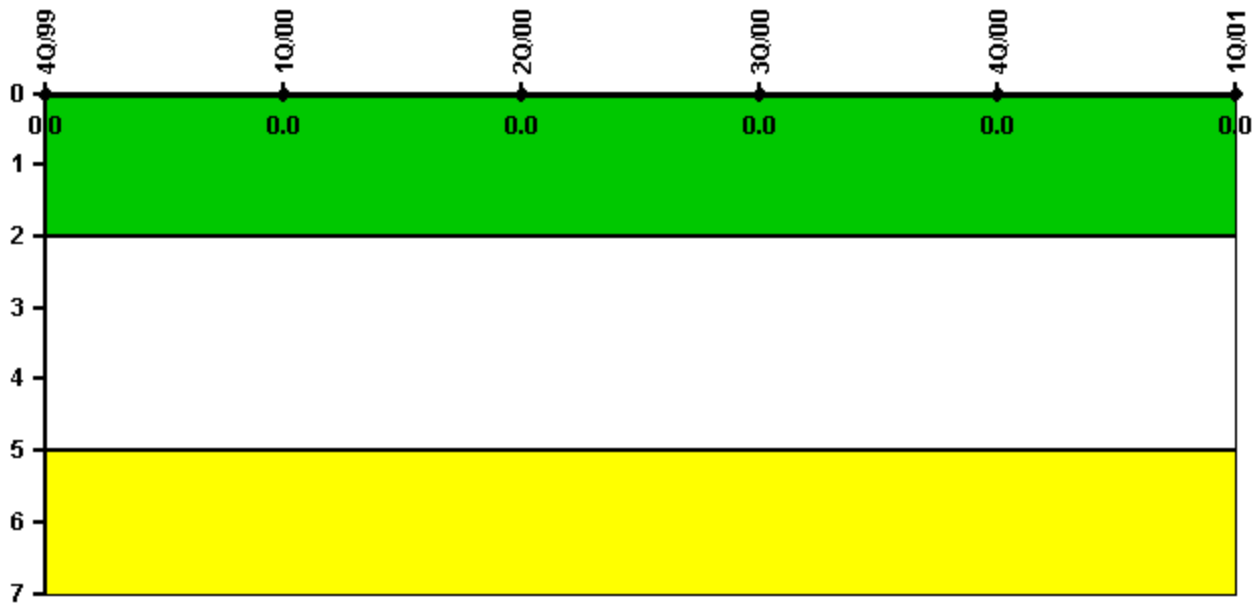
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program failures	0	0	0	1	0	0
Indicator value	0	0	0	1	1	1

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

### Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program Failures	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

▲ [PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002